

Applicant : G. Douglas Antuma
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Page : 2

provide a two dimensional building structure profile that includes a component profile if the three dimensional component extends through the point of interest.

10. (Amended) A building structure volume detailing system for volume detailing a building structure that allows for the positioning of various structural and non-structural components, comprising:

a processor;

a memory subsystem coupled to the processor, the memory subsystem storing information;

an input device coupled to the processor, the input device receiving input from a user; and volume detailing code for causing the processor to perform the steps of:

providing a representation of a three dimensional building structure volume, wherein the three dimensional building structure volume models a building structure;

positioning a representation of a three dimensional component at a desired location relative to the three dimensional building structure volume; and

sectioning the three dimensional building structure volume at a point of interest to provide a two dimensional building structure profile that includes a component profile if the three dimensional component extends through the point of interest.

19. (Amended) A roof truss volume detailing system for volume detailing a system of roof trusses that allows for the consideration of the positioning of various structural and non-structural components, comprising:

a processor;

a memory subsystem coupled to the processor, the memory subsystem storing information;

an input device coupled to the processor, the input device receiving input from a user; and volume detailing code for causing the processor to perform the steps of:

providing a representation of a three dimensional roof truss volume, wherein the three dimensional roof truss volume models a system of roof trusses;